

AMENDMENTS TO THE CLAIMS

Claims 1-14: Cancelled

15. (Original) A plasma lighting bulb, comprising:

a bulb emitting light, being formed of a transparent material, and having a plurality of hexagonal patterns formed on an outer surface of the bulb due to an alignment of a plurality of grooves having a predetermined depth; and

a metal wire blocking electromagnetic waves formed in the grooves forming the patterns.

16. (Original) The lighting bulb according to claim 15, wherein the transparent material includes one of glass and plastic.

17. (Original) The lighting bulb according to claim 15, wherein a cross-section of the grooves forming the hexagonal patterns is formed of one of a semicircular shape, a V-shape, and a polygonal shape.

18. (Original) The lighting bulb according to claim 15, wherein the metal wire is formed of one of copper (Cu), aluminum (Al), and silver (Ag)-coated copper (Cu).

19. (New) A plasma lighting bulb comprising:

a bulb having grooves of a predetermined depth on at least an inner or an outer surface of the bulb, wherein the grooves form a plurality of patterns comprising at least one of circular shapes and polygons; and

metal formed in the grooves for blocking electromagnetic waves.

20. (New) The plasma lighting bulb of claim 19, wherein the bulb is formed of a transparent material.

21. (New) The plasma lighting bulb of claims 20, wherein the transparent material is glass.

22. (New) The plasma lighting bulb of claim 20, wherein the transparent material is plastic.

23. (New) The plasma lighting bulb of claim 19, wherein the cross-section of the grooves is a semi-circular shape, a V-shape, or a polygonal shape.

24. (New) The plasma lighting bulb of claim 19, wherein the metal in the grooves is formed of wire.

25. (New) The plasma lighting bulb of claim 19, wherein the metal is filled within the grooves.

26. (New) The plasma lighting bulb of claim 19, wherein the metal includes one of copper (Cu), aluminum (Al), and silver (Ag).

27. (New) The plasma lighting bulb of claim 19, wherein the polygons are one of triangles and hexagons.